

Searching PAJ

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-124489

(43)Date of publication of application : 11.05.1999

(51)Int.Cl.

C08L 63/00  
B32B 27/38  
C08G 59/32  
C08G 59/44  
C08G 59/50  
C08J 5/24  
C08K 5/527  
// H05K 1/03

(21)Application number : 09-289637

(71)Applicant : SUMITOMO BAKELITE CO LTD

(22)Date of filing : 22.10.1997

(72)Inventor : TOBISAWA AKIHIKO  
SHIBATA KAZUHIKO

(54) FLAME RETARDANT RESIN COMPOSITION, PREPREG AND LAMINATE USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED. To obtain a resin composition having a high level of flame retardance without changing characteristics of the resin composition or a prepreg for a long period and to provide the prepreg impregnated therewith and a flame retardant laminate obtained from the prepreg.

SOLUTION. This flame retardant resin composition consists essentially of a nonhalogenated epoxy resin containing an epoxy resin having  $\approx 3$  epoxy groups in one molecule in an amount of  $\approx 70$  wt % based on the total epoxy resin, a compound curing agent having at least  $\approx 1$  amino groups in the molecule and 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide. The prepreg is prepared by impregnating a substrate with the flame retardant resin composition and the flame retardant copper-clad laminate is obtained by superimposing one or more sheets of the prepreg and hot-pressing the resultant laminate.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C): 1998,2000 Japan Patent Office